	Туре	#	Hits	Search Text	DBs	Time Stamp	Comm r ents Defi niti	# tt # 0
户	BRS	Ľ1	14058	staphylococcus adj aureus	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:23		
2	BRS	L3	66	hop adj acid	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:27		İ
ω	BRS	Ľ	N 5	(hexahydro adj beta adj acid) or (hexahydro adj beta adj salt) or (tetrahydroiso adj alpha adj salt) or (tetrahydroiso adj alpha adj salt)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1	Plant Visit (1)	9
4	BRS	15	Ľ	(3 or 4) same 1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:35		
ഗ	BRS	L6	61727	tampon or (wound adj dressing) or suppository or (disposable adj diaper) or (sanitary adj napkin)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1		
Ø	BRS	L7	32538 26	fiber or film or foam or wood or pulp or (peat adj moss) or (aborbent adj material) or (superabsorbent adj polymer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1		
7	BRS	Г8	0	6 same 7 same (3 or 4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:41		
∞	BRS	L9	ω	7 same (3 or 4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	9:		
9	BRS	L10	0	9 same 1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:42		Ĭ
10	BRS	L11	7021	lactobacillus	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/1 7 19:43	•	

0		2002/06/1 7 19:43	USPAT; US-PGPUB; EPO; JPO; DERWENT	1 same 11 same (3 or 4)	H	L12	BRS	11
rro r Er efi ro iti rs	Comm r Defi	Time Stamp	DBs	Search Text	Hits	#	Туре	

=> d his

(FILE 'HOME' ENTERED AT 19:46:16 ON 17 JUN 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT

19:46:47 ON 17 JUN 2002

- L1 201167 S STAPHYLOCOCCUS AUREUS
- L2 194 S HOP ACID
- L3 33 S (HEXAHYDRO BETA ACID) OR (HEXAHYDRO BETA SALT) OR (TETRAHYDRO
- L4 1 S L1 (P) (L2 OR L3)
- L5 29633 S TAMPON OR (WOUND DRESSING) OR SUPPOSITORY OR (DISPOSABLE DIAP
- L6 2958119 S FIBER OR FILM OR FOAM OR WOOD OR PULP OR (PEAT MOSS) OR (ABSO
- L7 0 S L5 (P) L6 (P) (L3 OR L4)
- L8 1 S L6 (P) (L3 OR L4)
- L9 0 S L8 NOT L4
- L10 65816 S LACTOBACILLUS
- L11 1 S L1 (P) L10 (P) (L3 OR L4)
- L12 0 S L11 NOT L4
- L13 1 S L10 (P) (L3 OR L4)
- L14 0 S L5 (P) L6 (P) (L2 OR L3)
- L15 20 S L6 (P) (L2 OR L3)
- L16 14 DUPLICATE REMOVE L15 (6 DUPLICATES REMOVED)
- L17 1 S L16 (P) L1
- L18 0 S L17 NOT L4
- L19 1 S L1 (P) L10 (P) (L2 OR L3)
- L20 0 S L19 NOT L4
- L21 1 S L10 (P) (L2 OR L3)
- L22 0 S L21 NOT L4

 $^{=&}gt; \log y$

```
FILE 'HOME' ENTERED AT 19:46:16 ON JUN 2002
```

=> file medline caplus biosis embase scisearch agricola COST IN U.S. DOLLARS SINCE FILE TOTAL SESSION ENTRY FULL ESTIMATED COST 0.21 0.21

FILE 'MEDLINE' ENTERED AT 19:46:47 ON 17 JUN 2002

FILE 'CAPLUS' ENTERED AT 19:46:47 ON 17 JUN 2002 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 19:46:47 ON 17 JUN 2002 COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'EMBASE' ENTERED AT 19:46:47 ON 17 JUN 2002 COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.

FILE 'SCISEARCH' ENTERED AT 19:46:47 ON 17 JUN 2002 COPYRIGHT (C) 2002 Institute for Scientific Information (ISI) (R)

FILE 'AGRICOLA' ENTERED AT 19:46:47 ON 17 JUN 2002

=> s staphylococcus aureus 201167 STAPHYLOCOCCUS AUREUS

=> s hop acid 194 HOP ACID

=> s (hexahydro beta acid) or (hexahydro beta salt) or (tetrahydroiso alpha acid) or (tetrahydrois 4 FILES SEARCHED...

33 (HEXAHYDRO BETA ACID) OR (HEXAHYDRO BETA SALT) OR (TETRAHYDROISO ALPHA ACID) OR (TETRAHYDROISO ALPHA SALT)

=> s 11 (p) (12 or 13)1 L1 (P) (L2 OR L3)

=> d 14 1 ibib abs

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2001:283780 CAPLUS 134:300854

DOCUMENT NUMBER: TITLE:

acids used for inhibition of ***Hop***

aureus ***Staphylococcus***

INVENTOR(S): Barney, Michael C.; Navarro, Alfonso L.; Ryder, David

PATENT ASSIGNEE(S):

Miller Brewing Company, USA PCT Int. Appl., 14 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

SOURCE:

AB

Patent English

LANGUAGE:

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE -----_____ -----WO 2001026647 A1 20010419 WO 2000-US27927 20001010 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG PRIORITY APPLN. INFO.: US 1999-158810P P 19991012 US 2000-664519 A 20000918 The present invention provides methods, products, and compns. for

```
selectively inhibiting the greath of S. aureus without preventing the growth of Lactobacillus species. Specifically, the present in action
     discloses the use of tetrahydroiso-.alpha.-acids or hexahydro-.beta.-acids
     at a concn. effective for the inhibition of the growth of S. aureus
     without preventing the growth of Lactobacillus. The inhibition of S.
     aureus thus provides useful methods, compns. and products such as feminine
     hygiene products for treating the diseases assocd. with S. aureus
     infections and infestations, i.e., toxic shock syndrome, without
     disrupting the normal bacterial flora in the area of its application.
     results of MIC assay of tetrahydroiso-.alpha.-acids and
     hexahydro-.beta.-acids on S. aureus and Lactobacillus show that S. aureus
     was much more sensitive to tetrahydroiso-.alpha.-acids and
     hexahydro-.beta.-acids than the Lactobacillus species tested.
     Lactobacillus exhibited strong growth in concns. of tetrahydroiso-.alpha.-
     acids and hexahydro-.beta.-acids as high as 12.5 ppm.
REFERENCE COUNT:
                          3
                                THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
=> s tampon or (wound dressing) or (suppository or (disposable diaper) or (sanitary napkin)
UNMATCHED LEFT PARENTHESIS 'OR (SUPPOSITOR'
The number of right parentheses in a query must be equal to the
number of left parentheses.
=> s tampon or (wound dressing) or suppository or (disposable diaper) or (sanitary napkin)
         29633 TAMPON OR (WOUND DRESSING) OR SUPPOSITORY OR (DISPOSABLE DIAPER)
                OR (SANITARY NAPKIN)
=> s (fiber or film or foam or wood or pulp or (peat moss) or (absorbent material) or (superabsorb
UNMATCHED LEFT PARENTHESIS '(FIBER'
The number of right parentheses in a query must be equal to the
number of left parentheses.
=> s fiber or film or foam or wood or pulp or (peat moss) or (absorbent material) or (superabsorbe
       2958119 FIBER OR FILM OR FOAM OR WOOD OR PULP OR (PEAT MOSS) OR (ABSORBE
               NT MATERIAL) OR (SUPERABSORBENT POLYMER)
=> d his
     (FILE 'HOME' ENTERED AT 19:46:16 ON 17 JUN 2002)
     FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
     19:46:47 ON 17 JUN 2002
         201167 S STAPHYLOCOCCUS AUREUS
            194 S HOP ACID
             33 S (HEXAHYDRO BETA ACID) OR (HEXAHYDRO BETA SALT) OR (TETRAHYDRO
              1 S L1 (P) (L2 OR L3)
          29633 S TAMPON OR (WOUND DRESSING) OR SUPPOSITORY OR (DISPOSABLE DIAP
        2958119 S FIBER OR FILM OR FOAM OR WOOD OR PULP OR (PEAT MOSS) OR (ABSO
=> s 15 (p) 16 (p) (13 or 14)
             0 L5 (P) L6 (P) (L3 OR L4)
=> s 16 (p) (13 or 14)
             1 L6 (P) (L3 OR L4)
=> s 18 not 14
             0 L8 NOT L4
=> s lactobacillus
         65816 LACTOBACILLUS
=> s l1 (p) l10 (p) (l3 or l4)
             1 L1 (P) L10 (P) (L3 OR L4)
=> s 111 not 14
             0 L11 NOT L4
=> s 110 (p) (13 or 14)
             1 L10 (P) (L3 OR L4)
```

L1

L2

L3

L4

 L_5 L6

L7

1.8

1.9

L10

L11

L12

=> d his

```
FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
     19:46:47 ON 17 JUN 2002
         201167 S STAPHYLOCOCCUS AUREUS
LI
L2
            194 S HOP ACID
L_3
              33 S (HEXAHYDRO BETA ACID) OR (HEXAHYDRO BETA SALT) OR (TETRAHYDRO
1.4
              1 S L1 (P) (L2 OR L3)
L_5
          29633 S TAMPON OR (WOUND DRESSING) OR SUPPOSITORY OR (DISPOSABLE DIAP
        2958119 S FIBER OR FILM OR FOAM OR WOOD OR PULP OR (PEAT MOSS) OR (ABSO
L6
              0 S L5 (P) L6 (P) (L3 OR L4)
L7
L8
              1 S L6 (P) (L3 OR L4)
              0 S L8 NOT L4
L9
          65816 S LACTOBACILLUS
L10
              1 S L1 (P) L10 (P) (L3 OR L4)
L11
              0 S L11 NOT L4
L12
L13
              1 S L10 (P) (L3 OR L4)
=> s 15 (p) 16 (p) (12 or 13)
             0 L5 (P) L6 (P) (L2 OR L3)
=> s 16 (p) (12 or 13)
            20 L6 (P) (L2 OR L3)
=> duplicate remove 115
DUPLICATE PREFERENCE IS 'CAPLUS, BIOSIS, SCISEARCH'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L15
L16
             14 DUPLICATE REMOVE L15 (6 DUPLICATES REMOVED)
=> s 116 (p) 11
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L107 (P) L1'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L113 (P) L4'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L117 (P) L6'
L17
             1 L16 (P) L1
=> s 117 not 14
             0 L17 NOT L4
L18
=> d his
     (FILE 'HOME' ENTERED AT 19:46:16 ON 17 JUN 2002)
     FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
     19:46:47 ON 17 JUN 2002
L1
         201167 S STAPHYLOCOCCUS AUREUS
L2
            194 S HOP ACID
L3
             33 S (HEXAHYDRO BETA ACID) OR (HEXAHYDRO BETA SALT) OR (TETRAHYDRO
1.4
              1 S L1 (P) (L2 OR L3)
1.5
          29633 S TAMPON OR (WOUND DRESSING) OR SUPPOSITORY OR (DISPOSABLE DIAP
1.6
        2958119 S FIBER OR FILM OR FOAM OR WOOD OR PULP OR (PEAT MOSS) OR (ABSO
1.7
              0 S L5 (P) L6 (P) (L3 OR L4)
L8
              1 S L6 (P) (L3 OR L4)
              0 S L8 NOT L4
L_9
L10
          65816 S LACTOBACILLUS
L11
              1 S L1 (P) L10 (P) (L3 OR L4)
L12
              0 S L11 NOT L4
              1 S L10 (P) (L3 OR L4)
L13
L14
              0 S L5 (P) L6 (P) (L2 OR L3)
             20 S L6 (P) (L2 OR L3)
L15
L16
             14 DUPLICATE REMOVE L15 (6 DUPLICATES REMOVED)
L17
              1 S L16 (P) L1
              0 S L17 NOT L4
=> s 11 (p) 110 (p) (12 or 13)
             1 L1 (P) L10 (P) (L2 OR L3)
=> s l19 not l4
```

```
0 L19 NOT L4
L20
=> s 110 (p) (12 or 13)
             1 L10 (P) (L2 OR L3)
L21
=> s 121 not 14
L22
            0 L21 NOT L4
=> d his
     (FILE 'HOME' ENTERED AT 19:46:16 ON 17 JUN 2002)
     FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
     19:46:47 ON 17 JUN 2002
         201167 S STAPHYLOCOCCUS AUREUS
L1
            194 S HOP ACID
L2
             33 S (HEXAHYDRO BETA ACID) OR (HEXAHYDRO BETA SALT) OR (TETRAHYDRO
L3
L4
              1 S L1 (P) (L2 OR L3)
          29633 S TAMPON OR (WOUND DRESSING) OR SUPPOSITORY OR (DISPOSABLE DIAP
L5
       2958119 S FIBER OR FILM OR FOAM OR WOOD OR PULP OR (PEAT MOSS) OR (ABSO
L6
L7
              0 S L5 (P) L6 (P) (L3 OR L4)
L8
              1 S L6 (P) (L3 OR L4)
L9
              0 S L8 NOT L4
L10
          65816 S LACTOBACILLUS
             1 S L1 (P) L10 (P) (L3 OR L4)
L11
              0 S L11 NOT L4
L12
L13
             1 S L10 (P) (L3 OR L4)
             0 S L5 (P) L6 (P) (L2 OR L3)
L14
L15
            20 S L6 (P) (L2 OR L3)
            14 DUPLICATE REMOVE L15 (6 DUPLICATES REMOVED)
L16
L17
             1 S L16 (P) L1
L18
             0 S L17 NOT L4
L19
             1 S L1 (P) L10 (P) (L2 OR L3)
L20
             0 S L19 NOT L4
L21
             1 S L10 (P) (L2 OR L3)
L22
             0 S L21 NOT L4
=> log y
```

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY 77.21	SESSION 77.42
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	

STN INTERNATIONAL LOGOFF AT 19:59:51 ON 17 JUN 2002